

ABSTRACT

A system includes a container including projections equi-spaced around a neck region. Each of the projections includes a cam surface, a lock surface, a ramp, and a clamping surface. The system also include a closure including a closure plane and a circumferentially depending outer skirt extending from the closure plane, a tamper-evident arrangement frangibly connected to an edge of the outer skirt opposite the closure plane, and pairs of lugs equi-spaced around an inner sidewall formed by the outer skirt and the tamper-evident arrangement. A lock lug of each pair of lugs is arranged on the tamper-evident arrangement and a sealing lug of each pair of lugs is arranged on the outer skirt. In the system, each lock lug is adapted to engage the cam surface of a corresponding projection during an initial application operation. The lock lug is adapted to engage the lock surface of the corresponding projection after the initial application operation. In the system each sealing lug is adapted to engage the ramp of the corresponding projection during the initial application operation. The sealing lug is adapted to engage the clamping surface of the corresponding projection after the initial application operation. A number of pairs of lugs may be equal to a number of projections. A method is provided for sealing a closure on a container in a tamper-evident manner using the system. A method is provided for removing a closure from a container sealed with a tamper-evident device.